

Title: Electronic kits in physics education

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Abstract: This diploma thesis named Electronic kits in physics education contains five main parts. It deals with the use of electronic kits in the physics education and references a research of literature discussing this problem in the first part. Thesis offers a brief overview of types of electronic kits, which are being used in education in schools of the Czech republic in the second part. The third fundamental part then describes the design of the prototype of kit suitable for education and documents the construction including the experience, which author acquired during the work, and technological processes. Fourth part of the work documents the piloting of the kit. The Builder's guide, which is a part of the kit and serves as a source of knowledge and suggestions for the user, is presented in the last part.

Keywords: electronics, kit, education